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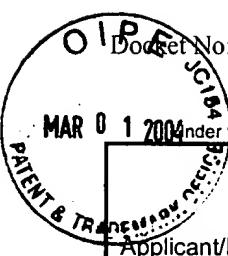
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Docket No: *JMD*  
AGER-116964B

PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

### STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Agere Systems Inc.

Application No./Patent No.: 09/621,110 Filed/Issue Date: July 21, 2000

Entitled: METHOD OF MANUFACTURING AN INTEGRATED CIRCUIT PACKAGE

Agere Systems Inc., a corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or

2.  an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

**OR**

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventor(s) To: Lucent Technologies Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 011203, Frame 0053, or for which a copy thereof is attached.

2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: Agere Systems Guardian Corp. To: Agere Systems Inc.

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

February 25, 2004

Charles W. Gaines

Date

Typed or printed name

(972) 480-8800

Telephone number

Signature

Attorney for Applicant

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231**

JANUARY 04, 2001

PTAS

A standard linear barcode is positioned horizontally across the page, consisting of vertical black bars of varying widths on a white background.

\*101507369A\*

DOCKET ADMINISTRATOR  
ANTHONY GRILLO  
600 MOUNTAIN AVENUE  
P.O. BOX 636  
MURRAY HILL, NJ 07974-0636

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/29/2000

REEL/FRAME: 011203/0053  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
COHN, CHARLES

DOC DATE: 09/26/2000

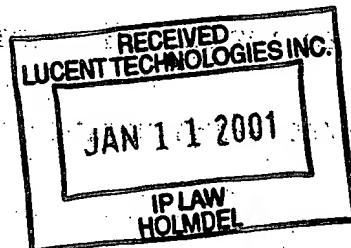
ASSIGNOR:  
HAWK, JR., DONALD EARL

DOC DATE: 09/22/2000

ASSIGNEE:  
LUCENT TECHNOLOGIES INC.  
600 MOUNTAIN AVENUE  
P.O. BOX 636  
MURRAY HILL, NEW JERSEY 07974-0636

SERIAL NUMBER: 09621110  
PATENT NUMBER:

FILING DATE: 07/21/2000  
ISSUE DATE:



TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11-07-2000

PATENT ONLY



101507369

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

HEET

SEP 29

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Charles Cohn  
Donald Earl Hawk, Jr.

Additional name(s) of conveying party(ies) attached?

 YES  NO

## 3. Nature of Conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other	

Execution Date: 9/22/00 and 9/26/00

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application Number(s) 09/621110 Patent Number(s) \_\_\_\_\_Additional number(s) attached?  YES  NO

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Docket Administrator  
 Internal Address: 3C-512  
 Street Address: 600 Mountain Avenue  
P. O. Box 636  
 City: State: ZIP: Murray Hill, NJ 07974-0636

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00 Enclosed Authorized to be charged to deposit account8. Deposit account number: 12-2325

(Attach duplicate copy of this page if paying by deposit account.)

## DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Anthony Grillo

Signature

9/26/00

Date

Registration No. 36,535

Total number of pages including cover sheet, attachments, and document: 3

CASE: C. Cohn 6-4

11/06/2000 GTON11 00000336 122325 09621110  
 01 FC:581 40.00 CH

Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

## ASSIGNMENT AND AGREEMENT

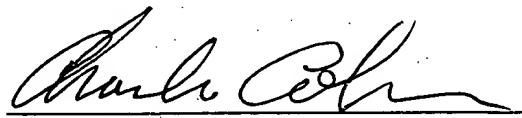
For value received, we, Charles Cohn, of Wayne in the County of Passaic and the State of New Jersey, and Donald Earl Hawk Jr., of King Of Prussia in the County of Montgomery and the State of Pennsylvania, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey, 07974-0636, U.S.A. and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **A Method Of Manufacturing An Integrated Circuit Package** described in an application for Letters Patent of the United States, Serial No. 09/621110, filed July 21, 2000, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
Charles Cohn

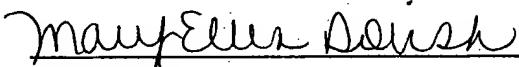
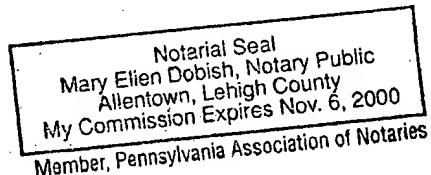
Date: 9/26/00

United States of America )

State of Pennsylvania) ss.:

County of Lehigh )

On this 26 day of September, 2000, before  
me personally came, Charles Cohn to me known to be the individual described in  
and who executed the foregoing instrument, and acknowledged execution of the  
same.

  
Mary Ellen Dobish  
Notary Public

Donald E. Hawk Jr.  
Donald Earl Hawk Jr.

Date: 9/22/00

United States of America )

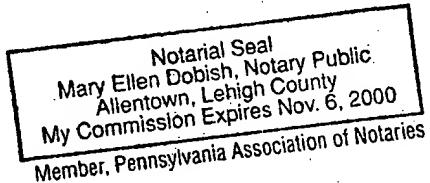
State of Pennsylvania ) ss.:

County of Lehigh )

On this 22 day of September, 2000, before  
me personally came, Donald Earl Hawk Jr. to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged  
execution of the same.

Mary Ellen Dobish

Notary Public



Lucent Technologies Inc.  
600 Mountain Avenue (Room 3C-512)  
P. O. Box 636  
Murray Hill, New Jersey 07974-0636

CERTIFICATE OF OWNERSHIP AND MERGER

OF

Agere Systems Guardian Corp.  
(a Delaware corporation)

INTO

Agere Systems Inc.  
(a Delaware corporation)

UNDER SECTION 253 OF THE GENERAL  
CORPORATION LAW OF THE STATE OF DELAWARE

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), DOES HEREBY CERTIFY:

FIRST: The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

SECOND: On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

RESOLVED that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

THIRD: That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

AGERE SYSTEMS INC.

By Paul Bento  
Paul Bento, Vice President

# Delaware

PAGE 1

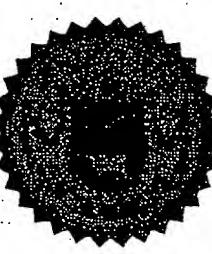
## *The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION, WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02

**EXECUTION COPY**

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**PATENT ASSIGNMENT**

**by and between**

**LUCENT TECHNOLOGIES INC.**

**and**

**AGERE SYSTEMS GUARDIAN CORP.**

**Dated as of January 30, 2001**

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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

### RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

LUCENT TECHNOLOGIES INC.

By:

  
Daniel P. McCurdy  
President, Intellectual Property Business

AGERE SYSTEMS GUARDIAN CORP.

By:

  
Fred M. Romano  
President

ACKNOWLEDGMENTS

STATE OF NEW JERSEY )

ss:

COUNTY OF SOMERSET )

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:

- a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and
- b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.

Name **TAMORA ANNE HANNA**  
 Notary Public Notary Public of New Jersey  
 My Commission Expires Registered in Hunterdon County  
 [Notarial Seal] My Commission Expires March 25, 2002

STATE OF FLORIDA )

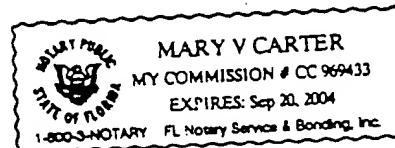
ss:

COUNTY OF ORANGE )

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:

- a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp. ; and
- b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.

Name **MARY V CARTER**  
 Notary Public  
 My Commission Expires:  
 [Notarial Seal]



**APPENDIX B (continued)**  
**Transferred Patents**

<b>Case Name</b>	<b>Filing Date</b>	<b>Issue Date</b>	<b>Patent No.</b>	<b>Serial No.</b>
Choi 11-51-71	1/6/2000			09/478647
Choi 1-20-18	8/25/2000		60/228229	09/340062
Choi 12-71-89	6/25/1999			09/451054
Choi 13	11/30/1999			09/346419
Choi 14	7/1/1999			09/478387
Choi 15-1-6-1-2	1/6/2000			09/384631
Choi 18-2-1-3-3	8/27/1999			09/384505
Choi 19-3-2-4-4	8/27/1999			09/220418
Choi 2	12/24/1998	6/6/2000	6072210	09/484759
Choi 21	1/18/2000			09/523782
Choi 2-182-50-48	7/30/1999			09/484500
Choi 22-9-4-3-8	3/13/2000			09/553868
Choi 23	1/18/2000			09/354928
Choi 24	4/20/2000			09/345919
Choi 26	8/2/2000		09/631546	09/384503
Choi 3-183	7/15/1999			60/115841
Choi 4	7/1/1999			09/365059
Choi 5-50-70	8/27/1999			09/369802
Choi 6-56-76	1/13/1999			09/484188
Choi 7-184-51-49	8/6/1999			09/484108
Choi 7-57-77-8	1/13/1999			09/484108
Choi 8-42	1/12/1999			09/484108
Chou 1-1-4	8/11/2000		09/636455	09/416348
Christensen 1	6/30/1998		09/107815	09/386132
Chu 1	10/12/1999			09/416336
Chu 3-3-9-1	8/30/1999			09/351945
Chu 4	10/12/1999			09/351546
Chua 1-1-1	7/12/1999			09/291559
Chua 2-1-2	7/12/1999			09/504306
Chua 3-1-1-1	9/26/2000		09/669278	09/467650
Chung 7-14	4/14/1999			09/488108
Chung 8-1-18-3	2/22/2000			09/510015
Chyan 10-27-22	1/20/2000			09/484183
Chyan 12-2-28-51-3	8/2/2000		09/631755	09/430316
Chyan 15-6-9	8/25/2000		09/648164	09/464183
Chyan 5-23	2/15/2000			09/293103
Chyan 6	12/20/1999			09/397716
Chyan 9-48	3/8/2000			09/521268
Ciccone 3-2-2	10/1/1997	4/18/2000	6052407	09/190759
Cirelli 3-5	11/12/1998			09/464183
Cirelli 4-2-8-4-6	11/12/1998	01/18/00	6015644	09/430316
Cirelli 5-15-1-5	4/16/1999			09/430316
Cirelli 6-17-2-6	9/16/1999			09/430316
Citrin 2-9-1	10/29/1999			09/430316
Claessen 2-2	12/9/1993		08/164661	09/189131
Claessen 3-3	6/28/1991		07/723102	09/498543
Clancy 2-3-5-2-2-3-2	12/16/1999			09/464183
Clapp 1	7/28/2000		09/628545	09/246402
Clemens 12-3-36	11/9/1998	3/14/2000	6038163	09/128041
Clemens 13-4-49	2/4/2000			6094735
Clemens 9-1-11	6/6/1997		08/871024	09/459842
Cochran 17-14-1-18-1-9-2	3/9/1998		09/036756	
Cochran 21-22-10	2/8/1999			
Cohn 6-4	7/21/2000		09/621110	
Cohn 7	7/28/2000		09/628067	
Cohn 8-6	7/21/2000		09/620939	
Colbry 6-5	8/5/1998		08/692546	
Cole 1-1-14-1	8/3/1998	7/25/2000	09/128041	
Comeau 1-1-1-5-1	12/14/1999			
Comerford 6-4	9/15/1997		08/937279	